

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A fuel cell temperature control apparatus controlling a temperature of a fuel cell disposed in an underfloor portion of a vehicle,~~ vehicle comprising a vehicle compartment having an underfloor portion and a motor room arranged in front of the vehicle compartment, wherein a vehicle drive motor is disposed in the motor room, a fuel cell is disposed in the underfloor portion and a fuel cell temperature control apparatus is provided to control a temperature of the fuel cell,

the fuel cell temperature control apparatus comprising:

a heat exchanger mounted in the motor room;

~~a coolant circuit permitting flow of coolant[[,]] by which a fuel cell is cooled, to flow through the [[a]] heat exchanger disposed in a motor room located at a front portion of a vehicle;~~

~~a bypass circuit connected to the coolant circuit and permitting the coolant to bypass the heat exchanger; and~~

~~a coolant pump disposed in the coolant circuit between the fuel cell and the bypass circuit so as to circulate the coolant, wherein the coolant pump is mounted in the underfloor portion; and~~

a bypass circuit mounted in the underfloor portion, wherein the heat exchanger is connected with the fuel cell through the bypass circuit, and the bypass circuit is connected to the coolant circuit to permit the coolant to bypass the heat exchanger wherein the bypass circuit and the coolant pump are mounted in an underfloor portion of the vehicle at a position rearward of the motor room.

2. (Currently Amended) ~~The fuel cell temperature control apparatus~~ vehicle according to claim 1, further comprising an ion removal filter for removing ions from the coolant.

3. (Currently Amended) ~~The fuel cell temperature control apparatus~~ vehicle according to claim 2, wherein the ion removal filter is disposed in the bypass circuit.

4. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 2, wherein the ion removal filter is disposed in a branch circuit that is branched off from the coolant circuit at a discharge side of the coolant pump and connected to the coolant circuit at an intake side of the coolant pump.

5. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 4, wherein the ion removal filter is disposed in the motor room.

6. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 5, further comprising a coolant reservoir tank disposed in the coolant circuit at the motor room,

wherein the coolant passing across the ion removal filter is delivered to the coolant reservoir tank.

7. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 1, further comprising an air heat exchanger disposed in the coolant circuit downstream of the bypass circuit to perform heat exchange with air to be supplied to the fuel cell.

8. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 1, further comprising a hydrogen heat exchanger disposed in the coolant circuit upstream of the bypass circuit to perform heat exchange with hydrogen to be supplied to the fuel cell.

9. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 1, further comprising a combustor heat exchanger disposed in the bypass circuit to perform heat exchange with a combustor in which exhaust hydrogen expelled from the fuel cell is combusted.

10. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 1, wherein the heat exchanger includes a radiator by which the coolant is cooled ~~by a running wind of the vehicle.~~

11. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 10, wherein the heat exchanger includes an intermediate heat exchanger disposed between the radiator and the fuel cell.

12. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 1, wherein the fuel cell is installed in an accommodating member that is detachable from a vehicle body.

13. (Currently Amended) The ~~fuel cell temperature control apparatus~~ vehicle according to claim 12, wherein the bypass circuit and the coolant pump are mounted in the accommodating member.

14. (Currently Amended) A ~~fuel cell temperature control apparatus controlling a temperature of a fuel cell disposed in an underfloor portion of a vehicle,~~ vehicle comprising a vehicle compartment having an underfloor portion and a motor room arranged in front of the vehicle compartment, wherein a vehicle drive motor is disposed in the motor room, a fuel cell is disposed in the underfloor portion and a fuel cell temperature control apparatus is provided to control a temperature of the fuel cell,

the fuel cell temperature control apparatus comprising:

heat exchanging means for exchanging heat with a coolant, the heat exchanging means being mounted in the motor room;

circulation means for circulating the coolant[,]] by which the [[a]] fuel cell is cooled[,]] through a heat exchanger the heat exchanging means disposed in a motor room located at a front portion of a vehicle;

bypass means for bypassing the heat exchanger with respect to the coolant, the bypass means being connected to the circulation means; and

pump means for pumping the coolant, the pump means being disposed in the coolant circuit circulation means between the fuel cell and the bypass means so as to circulate the coolant, wherein the pump means is mounted in the underfloor portion; and

a bypass means for providing a path for coolant to bypass the heat exchanging means, wherein the bypass means is mounted in the underfloor portion, the heat exchanging means is connected with the fuel cell through the bypass means, and the bypass means is connected to the circulation means to permit the coolant to bypass the heat exchanging means ~~wherein the bypass means and the pump means are mounted in an underfloor portion of the vehicle at a position rearward of the motor room.~~